CLAIMS:

- A blade-like connecting needle for measuring a semiconductor wafer, comprising
- a blade signal line for transmitting signal from the semiconductor wafer,
- a support insulator covering at least a portion of said blade signal line,
- a plurality of blade guard patterns disposed in or on said support insulator for electromagnetically shielding said blade signal line, and
- a probe supported by said support insulator and connected to said blade signal line.
- A blade-like connecting needle according to claim
 wherein at least a portion of said probe is covered with
 an insulating material.
- A blade-like connecting needle according to claim
 further comprising a connector for connecting said blade
 signal line to an external circuit.
- 4. A blade-like connecting needle according to claim3, wherein said connector includes in at least a portion

thereof a signal line covered with an insulating material.

- A blade-like connecting needle according to claim
 wherein said blade signal line has an outer circumference
 covered with said support insulator.
- A blade-like connecting needle according to claim
 wherein the blade-line connecting needle is connected to
 a probe card including a shielded electric conductive path.
- 7. A method for manufacturing a blade-like connecting needle comprising:

providing at least two members each having a symmetrical shape with respect to the other;

forming a groove in said members; and

bonding said members each other with a blade signal

line housed in said groove to provide a blade-like

connecting needle.

8. A method for manufacturing a coaxial blade-like connecting needle comprising:

providing a multilayer-plate insulator with an internal wire placed in said multilayer-plate insulator;

machining said multilayer-plate insulators having said internal wire inside to obtain a desired shape; and

forming a guard pattern plated with metal on a surface of said multilayer-plate insulator to provide a blade-like connecting needle.

9. A method for manufacturing a hollow blade-like connecting needle comprising:

providing an insulator material base plated with metal;

machining said base to form a groove;

plating the bottom of said groove with metal; and
attaching a metal lid to said base to close said
groove plated with metal.